Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

		(======================================		, , , , , , , , , , , , , , , , , , , ,
* * *	* *	* *	* *	* Welcome to STN International * * * * * * * * * * *
NEWS	1			Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV	21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV	26	MARPAT enhanced with FSORT command
NEWS	4	NOV		CHEMSAFE now available on STN Easy
NEWS	5	NOV	26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC	01	ChemPort single article sales feature unavailable
NEWS	7	DEC	12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC	17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN	06	The retention policy for unread STNmail messages
NEWS	10	JAN	07	will change in 2009 for STN-Columbus and STN-Tokyo WPIDS, WPINDEX, and WPIX enhanced Japanese Patent
115110			0.0	Classification Data
NEWS	11	FEB		Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS		FEB		GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS		FEB		Patent sequence location (PSL) data added to USGENE
NEWS		FEB		COMPENDEX reloaded and enhanced
NEWS		FEB		WTEXTILES reloaded and enhanced
NEWS	16	FEB	19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS	17	FEB	19	Increase the precision of your patent queries use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB	23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB	23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB	23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB	23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB	25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR	06	INPADOCDB and INPAFAMDB enhanced with new display
NEWS	24	MAR	11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	25	MAR	11	ESBIOBASE reloaded and enhanced
NEWS		MAR		CAS databases on STN enhanced with new super role
NEWS		MAR		for nanomaterial substances CA/CAplus enhanced with more than 250,000 patent equivalents from China
				- 1

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009

=> index bioscience FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

ENTRY SESSION FULL ESTIMATED COST 0.22

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ... 'ENTERED AT 01:19:02 ON 30 MAR 2009

SINCE FILE

TOTAL

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

- => s devulcaniz? and rubber(p)particle? and bacteria and break?(p)sulfur(p)bridges
 - 0* FILE ADISNEWS 0* FILE ANTE
 - 0* FILE AOUALINE
 - 0* FILE BIOENG
 - 0* FILE BIOTECHABS
 - 0* FILE BIOTECHDS
 - 0* FILE BIOTECHNO
 - 0* FILE CEABA-VTB
 - 0* FILE CIN
 - 0* FILE FOMAD
 - 0* FILE FOREGE
 - 0* FILE FROSTI
 - 0* FILE FSTA
 - 35 FILES SEARCHED...
 - - 1 FILE IFIPAT 0* FILE KOSMET
 - 0* FILE NTIS

 - 0* FILE NUTRACEUT 0* FILE PASCAL
 - 0* FILE PHARMAML
 - FILE USPATFULL
 - 0* FILE WATER
 - FILE WPIDS

1 FILE WPINDEX

4 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L1 OUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?(P) SULFUR(P) BRIDGES

=> file ifipat uspatfull

SINCE FILE COST IN U.S. DOLLARS TOTAL ENTRY SESSION FULL ESTIMATED COST 1.36 1.58

FILE 'IFIPAT' ENTERED AT 01:20:25 ON 30 MAR 2009 COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11

L2 2 L1

=> rem dup 12

DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

DELETE BIO?/O - delete query names starting with BIO DELETE ?DRUG/A - delete answer set names ending with DRUG DELETE ?DRUG/A
DELETE ?ELEC?/L
DELETE ANTICOAG/S - delete L-number lists containing ELEC

- delete SDI request

DELETE ENZYME/B - delete batch request DELETE .MYCLUSTER - delete user-defined cluster

DELETE .MYFORMAT - delete user-defined display format DELETE .MYFIELD - delete user-defined search field

DELETE NAMELIST MYLIST - delete mailing list

To delete an ordered document or an offline print, enter its number.

Examples:

DELETE P123001C DELETE D134002C - delete print request

- delete document order request

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

DELETE L21 - delete a single L-number DELETE L3-L6 - delete a range of L-numbers DELETE LAST 4 - delete the last 4 L-numbers

```
DELETE L33- - delete L33 and any higher L-number
DELETE L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
renumber remaining L-numbers
DELETE RENUMBER - renumber L-numbers after deletion of
```

intermediate L-numbers

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/O - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved queries, answer sets,
and L-number lists
DELETE SAVED/S - delete all solve requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all ber-defined clusters
DELETE FORMIT - delete all user-defined display formats
DELETE FIELD - delete all user-defined search fields
DELETE HISTORY - delete all L-numbers
DELETE HISTORY - delete all L-numbers and restart the
session at LI
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
=> s 12
L3 2 L2
```

=> rem dup 13 DUP IS NOT VALID HERE

The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI calest, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include? for left, right, or simultaneous left and right truncation.

Examples:

```
DELETE BIO2/O

    delete query names starting with BIO
    delete answer set names ending with DRUG

DELETE ?DRUG/A
DELETE ?ELEC?/L
                      - delete L-number lists containing ELEC
DELETE ANTICOAG/S
                       - delete SDI request
DELETE ENZYME/B
                       - delete batch request
DELETE .MYCLUSTER
                       - delete user-defined cluster
DELETE .MYFORMAT
                       - delete user-defined display format
                   - delete user-defined search field
DELETE .MYFIELD
DELETE NAMELIST MYLIST - delete mailing list
```

To delete an ordered document or an offline print, enter its number.

Examples:

```
DELETE P123001C - delete print request
DELETE D134002C - delete document order request
```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L3-L6 - delete a single L-number
DELETE L3-L6 - delete a range of L-numbers
DELETE L33- - delete the last 4 L-numbers
DELETE L33- - delete L33 and any higher L-number
DELETE L2-L6 RENUMBER - delete L55 and any lower L-number and renumber remaining L-numbers after deletion of intermediate L-numbers after deletion of
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

=> dup rem 13

FI

US 20070009997

```
DELETE SAVED/0 - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED/L - delete all saved queries, answer sets,
and L-number lists
DELETE SAVED/S - delete all sold requests
DELETE SAVED/B - delete all batch requests
DELETE CLUSTER - delete all user-defined clusters
DELETE FORMAT - delete all user-defined search fields
DELETE FIELD - delete all user-defined search fields
DELETE HISTORY - delete all L-numbers
DELETE HISTORY - delete all L-numbers and restart the session at L1
```

To delete an entire multifile SDI request, enter DELETE and the name of the request. To delete a component from the multifile SDI, enter DELETE and the name of the component.

```
PROCESSING COMPLETED FOR L3
L4
             1 DUP REM L3 (1 DUPLICATE REMOVED)
=> d 14 1
T. 4
    ANSWER 1 OF 1 IFIPAT COPYRIGHT 2009 IFI on STN DUPLICATE 1
AN
     11359995 IFIPAT; IFIUDB; IFICDB
ΤI
     Process for surface activation and/or devulcanisation of
     sulfur-vulcanized rubber particles
IN
     Neumann Willi (DE)
PA
     Unassigned Or Assigned To Individual (68000)
PPA
    Cristallo Holdings Inc CA (Probable)
PΙ
     US 20070009997 A1 20070111
AΤ
     US 2004-551664
                        20040329
     WO 2004-IB932
                         20040329
                         20060621 PCT 371 date
                         20060621 PCT 102(e) date
PRAI DE 2003-10314893
                         20030401
```

20070111

```
Utility; Patent Application - First Publication
     CHEMICAL.
      APPLICATION
     Entered STN: 12 Jan 2007
      Last Updated on STN: 15 Feb 2007
CLMN 21
=> d hist
     (FILE 'HOME' ENTERED AT 01:18:41 ON 30 MAR 2009)
     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHOS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ... ENTERED AT 01:19:02 ON 30 MAR 2009
               SEA DEVULCANIZ? AND RUBBER(P)PARTICLE? AND BACTERIA AND BREAK?(
               0* FILE ADISNEWS
              0*
                  FILE ANTE
              0*
                  FILE AQUALINE
              0*
                  FILE BIOENG
              0*
                  FILE BIOTECHABS
              0*
                  FILE BIOTECHDS
              0 *
                  FILE BIOTECHNO
              0*
                  FILE CEABA-VTB
              0*
                  FILE CIN
              0*
                  FILE FOMAD
               0*
                  FILE FOREGE
               0*
                  FILE FROSTI
               0*
                  FILE FSTA
                   FILE IFIPAT
               0*
                  FILE KOSMET
               0*
                  FILE NTIS
               0*
                  FILE NUTRACEUT
               0*
                  FILE PASCAL
               0*
                  FILE PHARMAML
               1
                   FILE USPATFULL
               0*
                  FILE WATER
                   FILE WPIDS
               1
                 FILE WPINDEX
L1
               OUE DEVULCANIZ? AND RUBBER(P) PARTICLE? AND BACTERIA AND BREAK?
     FILE 'IFIPAT, USPATFULL' ENTERED AT 01:20:25 ON 30 MAR 2009
             2 S L1
L3
              2 S L2
              1 DUP REM L3 (1 DUPLICATE REMOVED)
L4
=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:v
COST IN U.S. DOLLARS
                                                 SINCE FILE
                                                                 TOTAL
                                                      ENTRY
                                                               SESSION
FULL ESTIMATED COST
                                                       5.85
                                                                  7.43
STN INTERNATIONAL LOGOFF AT 01:20:49 ON 30 MAR 2009
```

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspt189dxw

```
PASSWORD:
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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * *	* *	* *	* *	* Welcome to STN International * * * * * * * * * *
NEWS	1			Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG	10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG	18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG	24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG	24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS	6	SEP	09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP	11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT	21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT	21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	1.0	NOV	23	Addition of SCAN format to selected STN databases
NEWS		NOV		Annual Reload of IFI Databases
NEWS		DEC		FRFULL Content and Search Enhancements
NEWS		DEC		DGENE, USGENE, and PCTGEN: new percent identity
NEWS	13	DEC	0.1	feature for sorting BLAST answer sets
NEWS	14	DEC	02	Derwent World Patent Index: Japanese FI-TERM
				thesaurus added
NEWS	15	DEC	02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC	02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC	21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/Caplus
NEWS	18	JAN	12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS	19	JAN	25	Annual Reload of MEDLINE database
NEWS	20	FEB	16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	21	FEB	16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	22	FEB	16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	23	FEB	16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	24	FEB	16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
NEWS	EXPI	RESS		RUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2, CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.
NEWS NEWS				N Operating Hours Plus Help Desk Availability lcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 19:28:17 ON 11 MAR 2010

=> index bioscience

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION 0.22 0.22

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHNO, EDIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGKONOG2, DRUGU, EMBAL, EMBASE, ... 'ENTERED AT 19:28:35 ON 11 MAR 2010

63 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0^{\star} with SET DETAIL OFF.

=> s rubber? and (Desulfuromonas or Sulfurospirillum)

- 1 FILE BIOTECHABS
- 1 FILE BIOTECHDS
- 1 FILE CAPLUS
- 1 FILE IFIPAT
- 1 FILE PROMT
- 16 FILE USPATFULL
- 56 FILES SEARCHED...
 - 4 FILE USPAT2
 - 2 FILE WPIDS
 - 2 FILE WPINDEX
- 9 FILES HAVE ONE OR MORE ANSWERS, 63 FILES SEARCHED IN STNINDEX
- L1 QUE RUBBER? AND (DESULFUROMONAS OR SULFUROSPIRILLUM)

=> file biotechabs biotechds caplus ifipat promt uspatfull uspat2
COST IN U.S. DOLLARS SINCE FILE TOTAL

FULL ESTIMATED COST ENTRY SESSION 0.69 0.91

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHDS' ENTERED AT 19:29:26 ON 11 MAR 2010 COPYRIGHT (C) 2010 THOMSON REUTERS

FILE 'CAPLUS' ENTERED AT 19:29:26 ON 11 MAR 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'IFIPAT' ENTERED AT 19:29:26 ON 11 MAR 2010 COPYRIGHT (C) 2010 IFI CLAIMS(R) Patent Services (IFI)

FILE 'PROMT' ENTERED AT 19:29:26 ON 11 MAR 2010 COPYRIGHT (C) 2010 Gale Group. All rights reserved.

FILE 'USPATFULL' ENTERED AT 19:29:26 ON 11 MAR 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 19:29:26 ON 11 MAR 2010
CA INDEXING COPYRIGHT (C) 2010 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 11

L2 24 L1

=> dup rem 12 PROCESSING COMPLETED FOR L2

L3 23 DUP REM L2 (1 DUPLICATE REMOVED)

=> s 13 and treat?

L4 22 L3 AND TREAT?

=> d 14 1-22

- L4 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2010 ACS on STN
- AN 2004:847590 CAPLUS
- DN 141:333430
- TI Process for surface activation and/or devulcanization of sulfur-vulcanized rubber particles
- IN Neumann, Willi
- PA Cristallo Holdings Inc., Can.
- SO PCT Int. Appl., 20 pp. CODEN: PIXXD2
- DT Patent
- LA German

FAN.	CNT	1																			
PATENT NO.						KIN	D	DATE				APPLICATION NO.									
							_														
PI	WO	2004	0877	99		A1		20041014		WO 2004-IB932						20040329					
		W:						AU,													
			CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,			
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			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,			
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,			
			ΤJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW			
		RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,			
								TJ,													
			ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	SI,			
			SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,			
			TD,																		
								2004	1104		DE 2	003-	1031	4893		2	0030	401			
	AU	2004	2261	52		A1		2004	1014		AU 2	004-	2261	52		2	0040	329			
		2521:						2004													
		1620						2006			EP 2	004-	7240	78		2	0040	329			
	EP	1620	198			В1		2008	0806												
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			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	PL,	SK			
		1777						2006			CN 2	004-	8001	0990		2	0040	329			
	CN	1003	5582	1		C		2007	1219												
								2006													
								2008													
	AT	4036	98			T		2008	0815		AT 2	004-	7240	78		2	0040	329			

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PT 1620498 E 20081117 PT 2004-724078 20040329 ES 2312986 T3 20090301 ES 2004-724078 20040329 RU 2354671 C2 20090510 RU 2005-132452 20040329 RX 2005008463 A 20061129 ZA 2005-8463 20051019 IN 2005-801176 A 20060505 IN 2005-80163 20051019 US 2007009997 A1 2006051 IN 2005-80164 20060621 PRAI DE 2003-10314893 A 20030401 WC 2004-18932 W 20040329
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 2
                  THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
                  ALL CITATIONS AVAILABLE IN THE RE FORMAT
L4
    ANSWER 2 OF 22 IFIPAT COPYRIGHT 2010 IFI on STN
      10668169 IFIPAT; IFIUDB; IFICDB
AN
ΤТ
       Microorganism coating components, coatings, and coated surfaces;
       Cell-based particulate as surface treatment component;
        concentrating cells and removing culture media; disrupting, drying
IN
       McDaniel C Steven
      Reactive Surfaces Ltd (74649)
PA
PΙ
      US 20040175407 A1 20040909 (CITED IN 004 LATER PATENTS)
US 2004-792516 20040303 (10)
AI US 2004-792516
RLI US 2003-655345
                               20030904 CONTINUATION
                                                                         PENDING
PRAI US 2002-409102P 20020909
FI US 20040175407 20040909
                                  20020909 (Provisional)
       Utility; Patent Application - First Publication
FS
       CHEMICAL
       APPLICATION
       Entered STN: 10 Sep 2004
       Last Updated on STN: 25 Sep 2006
CLMN 308
    ANSWER 3 OF 22 PROMT COPYRIGHT 2010 Gale Group on STN
ACCESSION NUMBER: 2001:958247 PROMT
                     A world of extremes.
WRIGHT, PHILLIP C; BUSTARD, MARK T
Chemistry and Industry, (16 Apr 2001) pp. 238.
TITLE:
AUTHOR(S):
SOURCE:
                         ISSN: ISSN: 0009-3068.
PUBLISHER:
                      Society of Chemical Industry
Newsletter
DOCUMENT TYPE:
LANGUAGE:
                        English
                        2874
WORD COUNT:
                          *FULL TEXT IS AVAILABLE IN THE ALL FORMAT*
L 4
      ANSWER 4 OF 22 USPATFULL on STN
AN
         2008:354811 USPATEULL
ΤТ
         Anaerobic Production of Hydrogen and Other Chemical Products
         Cox, Marion E., Morgan Hill, CA, UNITED STATES
TN
         McDonald, Jeremy N., San Jose, CA, UNITED STATES
         Nondorf, Laura M., Morgan Hill, CA, UNITED STATES
         Cox, Steven M., Morgan Hill, CA, UNITED STATES
PΙ
        US 20080311640 A1 20081218
US 2006-912881 A1 20060427 (11)
ΑI
         WO 2006-US16332
                                        20060427
                                        20080623 PCT 371 date
PRAI US 2005-678101P 20050503 (60)
US 2005-677856P 20050503 (60)
US 2005-67807P 20050503 (60)
US 2005-678100P 20050503 (60)
US 2005-678100P 20050503 (60)
US 2005-677998P 20050503 (60)
DT
       Utility
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```
APPLICATION
LN.CNT 4369
       INCLM: 435/168.000
TNCL.
       INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
NCL
      NCLM: 435/168.000
      NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
              C12P0003-00 [I,A]; C12M0003-00 [I,A]; C12M0001-36 [I,A];
IC.
       IPCI
              C12N0001-20 [I,A]
       IPCR
              C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];
              C12M0001-36 [I.A]; C12M0003-00 [I.C]; C12M0003-00 [I.A];
              C12N0001-20 [I,C]; C12N0001-20 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
    ANSWER 5 OF 22 USPATFULL on STN
AN
       2008:341269 USPATFULL
ΤТ
       BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS
TM
       Pfeiffer, Robert S., Parker, CO, UNITED STATES
       Ulrich, Glenn, Golden, CO, UNITED STATES
       Vanzin, Gary, Arvada, CO, UNITED STATES
       Dannar, Verlin, Sheridan, WY, UNITED STATES
       DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
       Dodson, James B., Castle Rock, CO, UNITED STATES
PA
       LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
       US 20080299635
                           A1 20081204
ΡI
       US 7640978
                           B2 20100105
                           A1 20080610 (12)
       US 2008-136728
AT
RT.T
       Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
       US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
       May 2005, PENDING
DT
       Utility
FS
       APPLICATION
LN.CNT 1503
       INCLM: 435/167.000
INCL
       INCLS: 435/261.000
       NCLM: 435/167.000
NCL
      NCLS: 435/261.000
       IPCI
             C12P0005-02 [I,A]; C12P0005-00 [I,C*]; C12N0001-20 [I,A]
       IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; C09K0008-58 [I,A]
       IPCR
              E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];
              C09K0008-58 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
     ANSWER 6 OF 22 USPATFULL on STN
AN
       2008:330646 USPATFULL
TΙ
       BIOGENIC FUEL GAS GENERATION IN GEOLOGIC HYDROCARBON DEPOSITS
       Pfeiffer, Robert S., Parker, CO, UNITED STATES
TN
       Ulrich, Glenn, Golden, CO, UNITED STATES
       Vanzin, Gary, Arvada, CO, UNITED STATES
       Dannar, Verlin, Sheridan, WY, UNITED STATES
       DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
       Dodson, James B., Castle Rock, CO, UNITED STATES
       LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation) US 20080289816 A1 20081127
ΡI
      US 20080289816
                           A1 20080529 (12)
ΑI
      US 2008-129441
       Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
RLI
       US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
       May 2005, PENDING
      Utility
      APPLICATION
LN.CNT 1044
TNCI.
      INCLM: 166/246.000
       INCLS: 166/302.000; 166/305.100
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NCL.
      NCLM: 166/246.000
       NCLS: 166/302.000; 166/305.100
             E21B0043-22 [I,A]; E21B0043-16 [I,A]; E21B0036-00 [I,A]
TC
       IPCI
       IPCR
             E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0036-00 [I,C];
              E21B0036-00 [I,A]; E21B0043-16 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
    ANSWER 7 OF 22 USPATFULL on STN
AN
       2008:326628 USPATFULL
ΤI
      MICROBIAL FUEL CELLS
IN
       Lovley, Derek R., Bernardston, MA, UNITED STATES
       Nevin, Kelly P., Pelham, MA, UNITED STATES
       Zhang, Minjuan, Ann Arbor, MI, UNITED STATES
       Jia, Hongfei, Ann Arbor, MI, UNITED STATES
PΑ
       Toyota Engineering & Manufacturing North America, Inc., Ann Arbor, MI,
       UNITED STATES (U.S. corporation)
       University of Massachusetts (U.S. corporation)
                        A1 20081120
PΙ
       US 20080286624
                          A1 20070518 (11)
ΑI
      US 2007-750583
DT
      Utility
       APPLICATION
FS
LN.CNT 752
INCL
       INCLM: 429/027.000
NCL
      NCLM: 429/027.000
IC
             H01M0008-02 [I,A]; H01M0008-16 [I,A]
       IPCI
              H01M0008-02 [I,C]; H01M0008-02 [I,A]; H01M0008-16 [I,C];
       TPCR
              H01M0008-16 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
    ANSWER 8 OF 22 USPATFULL on STN
AN
       2007:120920 USPATFULL
       Primers for synthesizing full-length cDNA and their use
TI
       Ota, Toshio, Fujisawa-shi, JAPAN
       Isogai, Takao, Inashiki-gun, JAPAN
       Nishikawa, Tetsuo, Tokyo, JAPAN
       Hayashi, Koji, Ichihara-shi, JAPAN
       Saito, Kaoru, Kisarazu-shi, JAPAN
       Yamamoto, Junichi, Kisarazu-shi, JAPAN
       Ishii, Shizuko, Kisarazu-shi, JAPAN
       Sucivama, Tomovasu, Kisarazu-shi, JAPAN
       Wakamatsu, Ai, Kisarazu-shi, JAPAN
      Nagai, Keiichi, Tokyo, JAPAN
       Otsuki, Tetsuii, Kisarazu-shi, JAPAN
PA
      RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
                          A1 20070510
PΙ
      US 20070105122
AΙ
      US 2004-917503
                          A1 20040813 (10)
RI.T
      Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED
      JP 1999-248036
PRAI
                               19990929
      JP 1999-300253
                               19990827
       JP 2000-118776
       JP 2000-183767
       JP 2000-241899
                               20000609
       US 1999-159590P
                               19991018 (60)
       US 2000-183322P
                              20000217 (60)
      Utility
FS
      APPLICATION
LN.CNT 96883
       INCLM: 435/006.000
INCL
       INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000
NCL.
      NCLM: 435/006.000
      NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC
      IPCI
             C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];
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C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C*]
       TPCR
             C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C*];
              A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];
             C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];
              C12N0001-19 [I,C*]; C12N0001-19 [I,A]; C12N0001-21 [I,C*];
              C12N0001-21 [I,A]; C12N0015-12 [I,C*]; C12N0015-12 [I,A];
              C12P0021-06 [I,C]; C12P0021-06 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 9 OF 22 USPATFULL on STN
       2007:120904 USPATFULL
      Methods and reagents for quantitative analysis of Dehalococcoides
       species
       Loeffler, Frank, Atlanta, GA, UNITED STATES
       Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES,
       30332-0415 (U.S. corporation)
       US 20070105106
                          A1 20070510
      US 7595176
                          B2 20090929
       US 2004-558965
                          A1 20040527 (10)
      WO 2004-US16978
                               20040527
                               20051130 PCT 371 date
      US 2003-474831P
                              20030530 (60)
      Utility
       APPLICATION
LN.CNT 939
       INCLM: 435/006.000
       INCLS: 435/270.000
       NCLM: 435/091.200; 435/006.000
       NCLS: 435/006.000; 435/091.100; 435/270.000
            C12Q0001-68 [I,A]; C12N0001-08 [I,A]
       IPCI-2 C12Q0001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C*]
       IPCR
             C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; C07H0021-00 [I,C*];
              C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C*];
              C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 10 OF 22 USPATFULL on STN
       2007:11586 USPATFULL
       Process for surface activation and/or devulcanisation of
       sulfur-vulcanized rubber particles
      Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
      US 20070009997
                          A1 20070111
      US 2004-551664
                          A1 20040329 (10)
      WO 2004-IB932
                              20040329
                              20060621 PCT 371 date
      DE 2003-10314893
                              20030401
      Utility
      APPLICATION
LN.CNT 367
       INCLM: 435/130.000
       INCLS: 521/041.000
       NCLM: 435/130.000
      NCLS:
             521/041.000
      IPCI
             C12P0011-00 [I.A]
       IPCR
             C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
             C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
             C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
             C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 11 OF 22 USPATFULL on STN
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L4

AN

ΤI

TN

PA

PT

PRAI

TNCL

NCL

T. 4

AN

TΙ

IN ΡI

ΑI

PRAT

INCL

NCL

T. 4

AN

2006:298421 USPATFULL

DT FS

DT

FS

```
Biogenic fuel gas generation in geologic hydrocarbon deposits
TN
       Pfeiffer, Robert S., Parker, CO, UNITED STATES
       Ulrich, Glenn, Golden, CO, UNITED STATES
       Vanzin, Gary, Arvada, CO, UNITED STATES
       Dannar, Verlin, Sheridan, WY, UNITED STATES
       DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
       Dodson, James B., Castle Rock, CO, UNITED STATES
       LUCA Technologies, LLC, Golden, CO, UNITED STATES (U.S. corporation)
ΡI
       US 20060254765
                           A1 20061116
       US 7426960
                           B2 20080923
AΤ
       US 2006-343429
                           A1 20060130 (11)
RLI
       Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,
       PENDING
DT
       Utility
FS
       APPLICATION
LN.CNT 1032
       INCLM: 166/246.000
TNCI.
       INCLS: 166/252.300; 166/250.010; 166/267.000
NCL
       NCLM: 166/246.000
       NCLS:
              166/252.300; 166/272.600; 166/250.010; 166/267.000
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              E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0047-10 [I,A];
              E21B0043-40 [I,A]; E21B0043-34 [I,C*]
       IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0049-08 [I,A];
              E21B0049-00 [I.C*]
              E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];
       IPCR
              E21B0049-08 [T.A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
     ANSWER 12 OF 22 USPATFULL on STN
       2003:194597 USPATFULL
AN
       Compositions and methods for microbial dechlorination of polychlorinated
       biphenyl compounds
       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
       US 20030134408
                           A1 20030717
PT
       US 6946248
                           B2 20050920
AΙ
       US 2001-860200
                           A1 20010518 (9)
PRAI
       US 2000-205818P
                               20000519 (60)
       US 2001-266650P
                               20010206 (60)
DТ
       Utility
FS
      APPLICATION
LN.CNT 1823
INCL
       INCLM: 435/252.300
       INCLS: 435/262,500
NCL
       NCLM: 435/006.000; 435/252.300
       NCLS: 435/243.000; 435/262.500
TC
       ICM
              C12N001-20
       ICS
              C12S001-00
              C12N0001-20 [ICM, 7]; C12S0001-00 [ICS, 7]
       IPCI
       IPCI-2 C12Q0001-68 [ICM, 7]; C12N0001-00 [ICS, 7]; B09B0003-00 [ICS, 7]
              B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
              C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 13 OF 22 USPATFULL on STN
AN
       2002:868 USPATFULL
       Biological system for degrading nitroaromatics in water and soils
TN
       Crawford, Donald L., Moscow, ID, United States
       Stevens, Todd O., Richland, WA, United States
       Crawford, Ronald L., Moscow, ID, United States
PΔ
       Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
```

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corporation)
РΤ
       US 6334954
                           B1 20020101
AΤ
      US 2000-587648
                              20000605 (9)
      Continuation of Ser. No. US 1997-799577, filed on 12 Feb 1997, now
RLT.
       patented, Pat. No. US 6084150 Continuation of Ser. No. US 1995-545903.
       filed on 20 Oct 1995, now patented, Pat. No. US 5616162 Continuation of
       Ser. No. US 1994-229462, filed on 18 Apr 1994, now abandoned
       Continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now
       patented, Pat. No. US 5387271 Continuation-in-part of Ser. No. US
       1990-508056, filed on 11 Apr 1990, now abandoned
DT
       Utility
FS
       GRANTED
LN.CNT 1464
TNCL.
       INCLM: 210/610.000
       INCLS: 210/611.000; 588/202.000; 588/244.000; 405/263.000; 405/264.000;
              435/262.500
      NCT.M •
             435/262,500
NCT.
      NCLS: 210/610.000; 210/611.000; 405/263.000; 405/264.000
IC
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              A62D003-00
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             B09B003-00; C09K017-00; C02F003-00
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             A62D0003-00 [ICM, 7]; B09B0003-00 [ICS, 7]; C09K0017-00 [ICS, 7];
             C02F0003-00 [ICS,7]
       IPCR
             A62D0003-02 | I.A1; A62D0003-00 | I.C*1; A62D0003-00 | I.A1;
              B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
              C02F0003-12 [I,A]; C02F0003-28 [I,C*]; C02F0003-28 [I,A];
              C02F0003-30 [I,C*]; C02F0003-30 [I,A]; C02F0003-34 [I,C*];
             C02F0003-34 [I,A]
EXF
       588/202; 588/244; 210/603; 210/610; 210/611; 071/6; 071/8; 071/9;
       071/10; 071/903; 071/904; 435/167; 435/262; 435/262.5; 405/263; 405/264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 14 OF 22 USPATFULL on STN
L4
       2001:55346 USPATFULL
AN
ΤI
       Sulphur reducing bacterium and its use in biological desulphurization
       processes
IN
       Stetter, Karl Otto, Regensburg, Germany, Federal Republic of
       Huber, Harold, Hausen, Germany, Federal Republic of
       Buisman, Cees Jan Nico, Harich, Netherlands
       Dijkman, Henk, Ijlst, Netherlands
       Krol, Johannes Pieter, Sneek, Netherlands
PA
       Biostar Development C.V., Balk, Netherlands (non-U.S. corporation)
ΡI
      US 6217766
                           B1 20010417
       WO 9802524
                               19980122
AI
      US 1999-230081
                               19990324 (9)
       WO 1997-NL418
                               19970716
                               19990324 PCT 371 date
                               19990324 PCT 102(e) date
      EP 1996-202023
PRAI
                               19960716
DT
      Utility
FS
       Granted
LN.CNT 325
INCL
       INCLM: 210/605.000
       INCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100
NCL
       NCLM: 210/605.000
       NCLS: 210/612.000; 210/621.000; 210/630.000; 435/252.100
TC:
       TCM
             C02F003-30
       TCS
             C12N001-12
       TPCT
             C02F0003-30 [ICM, 7]; C12N0001-12 [ICS, 7]
       IPCR
             C12N0001-20 [I,C*]; C12N0001-20 [I,A]; B01D0053-34 [I,C*];
             B01D0053-34 [I,A]; B01D0053-50 [I,C*]; B01D0053-50 [I,A];
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B01D0053-77 [I,C*]; B01D0053-77 [I,A]; C01B0017-00 [I,C*];
              C01B0017-02 [I,A]; C01B0017-05 [I,A]; C02F0003-28 [I,C*];
              C02F0003-28 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
              C12S0001-00 [I,C*]; C12S0001-02 [I,A]
EXE
       210/601; 210/605; 210/612; 210/621; 210/630; 435/252.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
     ANSWER 15 OF 22 USPATFULL on STN
AN
       2000:84486 USPATFULL
ΤI
       Biological system for degrading nitroaromatics in water and soils
IN
       Crawford, Donald L., Moscow, ID, United States
       Stevens, Todd O., Richland, WA, United States
       Crawford, Ronald L., Moscow, ID, United States
PA
       Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
       corporation)
РΤ
       US 6084150
                               20000704
       US 1997-799577
                               19970212 (8)
AΙ
RLI
       Continuation of Ser. No. US 1995-545903, filed on 20 Oct 1995 which is a
       continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994 which is a
       continuation of Ser. No. US 1993-96735, filed on 23 Jul 1993, now
       patented, Pat. No. US 5387271 which is a continuation-in-part of Ser.
       No. US 1990-508056, filed on 11 Apr 1990, now abandoned
       Utility
FS
       Granted
LN.CNT 1594
       INCLM: 588/244.000
TNCL
       INCLS: 435/262.500; 405/263.000
       NCLM: 435/262.500
NCL
       NCLS: 405/263.000
              A62D003-00
       ICM
       ICS
              B09B003-00; C09K017-00
       IPCI
              A62D0003-00 [ICM,7]; B09B0003-00 [ICS,7]; C09K0017-00 [ICS,7]
       IPCR
              B09C0001-10 [I,A]; B09C0001-10 [I,C*]; C02F0003-28 [I,A];
              C02F0003-28 [I,C*]; C02F0003-30 [N,A]; C02F0003-30 [N,C*];
              C02F0003-34 [I,A]; C02F0003-34 [I,C*]
EXF
       210/603; 210/610; 210/611; 435/167; 435/262; 435/262.5; 071/6; 071/8-10;
       071/903; 071/904; 405/263; 588/244; 588/205
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
     ANSWER 16 OF 22 USPATFULL on STN
AN
       97:26756 USPATFULL
ΤI
       Biological system for degrading nitroaromatics in water and soils
IN
       Crawford, Donald L., Moscow, ID, United States
       Stevens, Todd O., Richland, WA, United States
       Crawford, Ronald L., Moscow, ID, United States
       Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
PA
       corporation)
PΤ
       US 5616162
                               19970401
       US 1995-545903
AΙ
                               19951020 (8)
RLI
       Continuation of Ser. No. US 1994-229462, filed on 18 Apr 1994, now
       abandoned which is a continuation of Ser. No. US 1993-96735, filed on 23
       Jul 1993, now patented, Pat. No. US 5387271 which is a
       continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990.
       now abandoned
DT
       Utility
FS
       Granted
LN.CNT 1575
INCL.
       INCLM: 071/009.000
       INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;
              210/610.000; 210/611.000
NCL
       NCLM: 071/009.000
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NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;
              435/262.000; 435/262.500
TC
       [6]
             C02F011-08
       TCM
       ICS
             C02F003-00; C05G003-00
       IPCI
             C02F0011-08 [ICM,6]; C02F0011-06 [ICM,6,C*]; C02F0003-00 [ICS,6];
             C05G0003-00 [ICS.6]
       IPCR
             A62D0003-00 [I,A]; A62D0003-00 [I,C*]; A62D0003-02 [I,A];
             B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
              C02F0003-12 [I,A]; C02F0003-28 [I,C*]; C02F0003-28 [I,A];
              C02F0003-30 [I,C*]; C02F0003-30 [I,A]; C02F0003-34 [I,C*];
              C02F0003-34 [I,A]
EXF
       071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
    ANSWER 17 OF 22 USPATFULL on STN
ΔN
       95:11291 USPATFULL
TI
       Biological system for degrading nitroaromatics in water and soils
IN
       Crawford, Donald L., Moscow, ID, United States
       Stevens, Todd O., Richland, WA, United States
       Crawford, Ronald L., Moscow, ID, United States
PA
       Idaho Research Foundation, Inc., Moscow, ID, United States (U.S.
       corporation)
ΡI
       US 5387271
                               19950207
AΙ
      US 1993-96735
                               19930723 (8)
RLT
       Continuation-in-part of Ser. No. US 1990-508056, filed on 11 Apr 1990,
       now abandoned
      Utility
FS
      Granted
LN.CNT 1712
INCL
       INCLM: 071/009.000
       INCLS: 071/010.000; 071/006.000; 071/903.000; 435/262.000; 435/262.500;
              210/610.000; 210/611.000
      NCLM: 071/009.000
NCL
      NCLS: 071/006.000; 071/010.000; 071/903.000; 210/610.000; 210/611.000;
             435/262.000; 435/262.500
IC
       [6]
       ICM
             C05F011-08
       ICS
             C02F003-00; C05G003-00
       TPCT
             C05F0011-08 [ICM,6]; C05F0011-00 [ICM,6,C*]; C02F0003-00 [ICS,6];
             C05G0003-00 [ICS,6]
       IPCR
             A01N0033-00 [I,C*]; A01N0033-22 [I,A]; A62D0003-00 [I,C*];
             A62D0003-02 [I.A]; B09C0001-10 [I.C*]; B09C0001-10 [I.A];
             C02F0003-00 [I,C*]; C02F0003-00 [I,A]; C02F0003-12 [I,C*];
             C02F0003-12 [I,A]; C02F0003-28 [I,C*]; C02F0003-28 [I,A];
             C02F0003-30 [I,C*]; C02F0003-30 [I,A]; C02F0003-34 [I,C*];
             C02F0003-34 [I,A]; C05F0011-00 [I,C*]; C05F0011-08 [I,A];
             C05G0003-00 [I,C*]; C05G0003-00 [I,A]; C07C0205-00 [I,C*];
             C07C0205-23 [I.Al; C09K0017-14 [I.C*]; C09K0017-32 [I.Al;
              C09K0101-00 [N.A]
       071/6; 071/8-10; 071/903; 071/904; 435/262; 435/262.5; 210/610; 210/611
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 18 OF 22 USPATFULL on STN
L4
AN
       93:27032 USPATFULL
       Method for microbial dehalogenation of haloaliphatic compounds using a
       sulfate reducing bacteria, desulfomonile tiedjei
ΤN
       Cole, James R., East Lansing, MI, United States
       Fathepure, Babu Z., Lansing, MI, United States
       Tiedje, James M., Lansing, MI, United States
       Board of Trustees operating Michigan State University, East Lansing, MI,
PΑ
      United States (U.S. corporation)
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PΤ
      US 5200343
                             19930406
19910503 (7)
       US 1991-695295
AΤ
       Utility
FS
       Granted
LN.CNT 711
       INCLM: 435/262,500
INCL
       INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
NCL
       NCLM: 435/262.500
       NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
       [5]
       ICM
              C12N009-00
       ICS
              C12N001-00
       IPCI
              C12N0009-00 [ICM, 5]; C12N0001-00 [ICS, 5]
       IPCR
              A62D0003-02 [I,A]; A62D0003-00 [I,C*]; A62D0003-00 [I,A];
              B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
              C02F0003-12 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
              C12P0001-04 [I,C*]; C12P0001-04 [I,A]
       435/262.5; 435/262; 435/243
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
     ANSWER 19 OF 22 USPAT2 on STN
AN
       2008:341269 USPAT2
TI
       Biogenic fuel gas generation in geologic hydrocarbon deposits
IN
       Pfeiffer, Robert S., Parker, CO, UNITED STATES
       Ulrich, Glenn, Golden, CO, UNITED STATES
       Vanzin, Gary, Arvada, CO, UNITED STATES
       Dannar, Verlin, Sheridan, WY, UNITED STATES
       DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
       Dodson, James B., Castle Rock, CO, UNITED STATES
PA
       LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
ΡI
       US 7640978
                          B2 20100105
ΑI
       US 2008-136728
                               20080610 (12)
RLI
       Continuation of Ser. No. US 2006-343429, filed on 30 Jan 2006, Pat. No.
       US 7426960 Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3
       May 2005, PENDING
DТ
       Utility
FS
       GRANTED
LN.CNT 1832
INCL
       INCLM: 166/246.000
       INCLS: 507/201.000; 428/243.000
NCL
       NCLM: 435/167.000
       NCLS: 435/261.000
IC
       IPCI
             C12P0005-02 [I,A]; C12P0005-00 [I,C*]; C12N0001-20 [I,A]
       IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; C09K0008-58 [I,A]
       IPCR
              E21B0043-16 [I,C]; E21B0043-22 [I,A]; C09K0008-58 [I,C];
              C09K0008-58 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T. 4
     ANSWER 20 OF 22 USPAT2 on STN
AN
       2007:120904 USPAT2
ΤI
       Methods and reagents for quantitative analysis of Dehalococcoides
       species
       Loeffler, Frank, Atlanta, GA, UNITED STATES
       Ritalahti, Kirsti M., Atlanta, GA, UNITED STATES
PA
       Georgia Tech Research Corporation, Atlanta, GA, UNITED STATES (U.S.
       corporation)
PΤ
       US 7595176
                           B2 20090929
       WO 2004108965
                               20041216
AT
       US 2004-558965
                               20040527 (10)
       WO 2004-US16978
                               20040527
                               20051130 PCT 371 date
PRAI
     US 2003-474831P
                               20030530 (60)
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Utility
FS
      GRANTED
LN.CNT 1003
      INCLM: 435/091.200
INCL
       INCLS: 435/006.000: 435/091.100
      NCLM: 435/091.200; 435/006.000
NCL
       NCLS: 435/006.000; 435/091.100; 435/270.000
       IPCI
             C12Q0001-68 [I,A]; C12N0001-08 [I,A]
       IPCI-2 C1200001-68 [I,A]; C12P0019-34 [I,A]; C12P0019-00 [I,C*]
       IPCR
             C1200001-68 [I,C]; C1200001-68 [I,A]; C07H0021-00 [I,C*];
              C07H0021-02 [I,A]; C07H0021-04 [I,A]; C12N0015-10 [I,C*];
              C12N0015-10 [I,A]; C12P0019-00 [I,C]; C12P0019-34 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
1.4
    ANSWER 21 OF 22 USPAT2 on STN
AN
       2006:298421 USPAT2
тт
       Biogenic fuel gas generation in geologic hydrocarbon deposits
IN
       Pfeiffer, Robert S., Parker, CO, UNITED STATES
       Ulrich, Glenn, Golden, CO, UNITED STATES
       Vanzin, Gary, Arvada, CO, UNITED STATES
       Dannar, Verlin, Sheridan, WY, UNITED STATES
       DeBruyn, Roland P., Highlands Ranch, CO, UNITED STATES
       Dodson, James B., Castle Rock, CO, UNITED STATES
PA
       LUCA Technologies, Inc., Golden, CO, UNITED STATES (U.S. corporation)
PΙ
       US 7426960
                          B2 20080923
AΤ
      US 2006-343429
                               20060130 (11)
RT.T
       Continuation-in-part of Ser. No. WO 2005-US15259, filed on 3 May 2005,
       PENDING
DT
      Utility
FS
       GRANTED
LN.CNT 1327
INCL
       INCLM: 166/246.000
       INCLS: 166/252.300; 166/272.600
       NCLM: 166/246.000
NCL
      NCLS: 166/252.300; 166/272.600; 166/250.010; 166/267.000
       IPCI
             E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0047-10 [I,A];
              E21B0043-40 [I,A]; E21B0043-34 [I,C*]
       IPCI-2 E21B0043-22 [I,A]; E21B0043-16 [I,C*]; E21B0049-08 [I,A];
              E21B0049-00 [I,C*]
              E21B0043-16 [I,C]; E21B0043-22 [I,A]; E21B0049-00 [I,C];
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              E21B0049-08 [I.A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
     ANSWER 22 OF 22 USPAT2 on STN
AN
       2003:194597 USPAT2
тт
       Compositions and methods for microbial dechlorination of polychlorinated
       biphenvl compounds
TN
       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
       University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)
PA
       Biotechnology Institute Medical University of South Carolina,
       Charleston, SC, UNITED STATES (U.S. corporation)
ΡI
      US 6946248
                           B2 20050920
       US 2001-860200
AΙ
                               20010518 (9)
      US 2000-205818P
PRAI
                               20000519 (60)
       US 2001-266650P
                               20010206 (60)
      Utility
FS
      GRANTED
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       INCLS: 435/243.000; 435/262.500
NCL
      NCLM: 435/006.000; 435/252.300
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NCLS: 435/243.000; 435/262.500
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              C12N001-00; B09B003-00
       IPCI C12N0001-20 [ICM, 7]; C12S0001-00 [ICS, 7]
       IPCI-2 C12Q0001-68 [ICM, 7]; C12N0001-00 [ICS, 7]; B09B0003-00 [ICS, 7]
              B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
               C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
       435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;
EXF
       530/23.1; 530/24.3-24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
=> d 14 14 ab
     ANSWER 14 OF 22 USPATFULL on STN
T. 4
       A new sulfur-reducing bacterium denoted as KT7 is described. It is a
AB
       low-GC Gram-positive bacterium related to the genus Desulfotomaculum,
       capable of reducing sulfite and sulfate to sulfide, having an optimum
       growth at a temperature between 48 and 70° C. at a pH of between
       5 and 9 and at a conductivity of the liquid medium between 0 and 40
       mS/cm. It can be used in a process for removing sulfur compounds from
       water, wherein the sulfur-containing water is subjected to anaerobic
       treatment with the new sulfur-reducing bacteria, with the
       addition of an electron donor. The sulfur-containing water can be spent
       scrubbing liquid from a flue gas desulfurization step.
=> s 14 and tires
             0 L4 AND TIRES
=> s 14 and (thiophila or palmitatis or delevianum or acetoxidans)
              7 L4 AND (THIOPHILA OR PALMITATIS OR DELEYIANUM OR ACETOXIDANS)
=> d 16 1-7
L6
     ANSWER 1 OF 7 CAPLUS COPYRIGHT 2010 ACS on STN
AN
     2004:847590 CAPLUS
DN
     141:333430
     Process for surface activation and/or devulcanization of sulfur-vulcanized
    rubber particles
IN
    Neumann, Willi
PA
    Cristallo Holdings Inc., Can.
SO
    PCT Int. Appl., 20 pp.
     CODEN: PIXXD2
DТ
    Patent
T.A
    German
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     PATENT NO.
                         KIND DATE APPLICATION NO. DATE
                                              _____
                          A1 20041014 WO 2004-IB932
     WO 2004087799
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             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
              BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
              ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
              SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
              TD, TG
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DE 10314893 A1 20041104 DE 2003-10314893
AU 2004226152 A1 20041014 AU 2004-226152
CA 2521255 A1 20041014 CA 2004-2521255
EP 1620498 A1 20060201 EP 2004-724078
EP 1620498 B1 20080806
                                                                       20030401
                                                                        20040329
                                                                       20040329
                                                                        20040329
          R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
                   A 20060524
     CN 1777636
                                              CN 2004-80010990
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20040329
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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
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             THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 2 OF 7 USPATFULL on STN
2008:354811 USPATFULL
AN
тт
       Anaerobic Production of Hydrogen and Other Chemical Products
       Cox, Marion E., Morgan Hill, CA, UNITED STATES
ΤN
        McDonald, Jeremy N., San Jose, CA, UNITED STATES
        Nondorf, Laura M., Morgan Hill, CA, UNITED STATES
        Cox, Steven M., Morgan Hill, CA, UNITED STATES
       US 20080311640 A1 20081218
US 2006-912881 A1 20060427
PΙ
                            A1 20060427 (11)
ΑI
       WO 2006-US16332
                                 20060427
                                 20080623 PCT 371 date
PRAT
      US 2005-678101P
                                20050503 (60)
       US 2005-677856P
                                20050503 (60)
       US 2005-678077P
                                20050503 (60)
       US 2005-678100P 20050503 (60)
US 2005-678098P 20050503 (60)
US 2005-677998P 20050503 (60)
DT
       Utility
FS
       APPLICATION
LN.CNT 4369
INCL
        INCLM: 435/168.000
        INCLS: 435/290.400; 435/286.100; 435/303.200; 435/252.100
NCL.
       NCLM: 435/168.000
       NCLS: 435/252.100; 435/286.100; 435/290.400; 435/303.200
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IC
               C12N0001-20 [I.A]
               C12P0003-00 [I,C]; C12P0003-00 [I,A]; C12M0001-36 [I,C];
               C12M0001-36 [I,A]; C12M0003-00 [I,C]; C12M0003-00 [I,A];
               C12N0001-20 [I,C]; C12N0001-20 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 3 OF 7 USPATFULL on STN
2007:120920 USPATFULL
AN
TΤ
        Primers for synthesizing full-length cDNA and their use
TN
       Ota, Toshio, Fujisawa-shi, JAPAN
        Isogai, Takao, Inashiki-gun, JAPAN
       Nishikawa, Tetsuo, Tokyo, JAPAN
       Hayashi, Koji, Ichihara-shi, JAPAN
```

```
Saito, Kaoru, Kisarazu-shi, JAPAN
       Yamamoto, Junichi, Kisarazu-shi, JAPAN
       Ishii, Shizuko, Kisarazu-shi, JAPAN
       Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN
       Wakamatsu, Ai, Kisarazu-shi, JAPAN
       Nagai, Keiichi, Tokyo, JAPAN
       Otsuki, Tetsuji, Kisarazu-shi, JAPAN
PΑ
       RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
ΡI
       US 20070105122
                          A1 20070510
ΑI
       US 2004-917503
                          A1 20040813 (10)
RLI
      Division of Ser. No. US 2000-629469, filed on 28 Jul 2000, ABANDONED
PRAI
      JP 1999-248036
                               19990929
      JP 1999-300253
                               19990827
      JP 2000-118776
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      JP 2000-183767
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      JP 2000-241899
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       US 1999-159590P
                              19991018 (60)
       US 2000-183322P
                              20000217 (60)
       Utility
FS
       APPLICATION
LN.CNT 96883
INCL
       INCLM: 435/006.000
       INCLS: 536/023.200; 530/350.000; 435/069.100; 435/320.100; 435/325.000
NCL
       NCLM: 435/006.000
       NCLS:
             435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200
             C12Q0001-68 [I,A]; C07H0021-04 [I,A]; C07H0021-00 [I,C*];
       TPCT
             C12P0021-06 [I,A]; C07K0014-705 [I,A]; C07K0014-435 [I,C*]
       IPCR
             C12Q0001-68 [I,C]; C12Q0001-68 [I,A]; A61K0038-00 [N,C*];
             A61K0038-00 [N,A]; C07H0021-00 [I,C]; C07H0021-04 [I,A];
             C07K0014-435 [I,C]; C07K0014-47 [I,A]; C07K0014-705 [I,A];
              C12N0001-19 [I,C*]; C12N0001-19 [I,A]; C12N0001-21 [I,C*];
             C12N0001-21 [I,A]; C12N0015-12 [I,C*]; C12N0015-12 [I,A];
             C12P0021-06 [I,C]; C12P0021-06 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L6
    ANSWER 4 OF 7 USPATFULL on STN
AN
       2007:11586 USPATFULL
       Process for surface activation and/or devulcanisation of
       sulfur-vulcanized rubber particles
TN
       Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
PΙ
      US 20070009997
                          A1 20070111
ΑI
      US 2004-551664
                           A1 20040329 (10)
      WO 2004-IB932
                               20040329
                               20060621 PCT 371 date
PRAI
      DE 2003-10314893
                               20030401
DT
      Utility
FS
      APPLICATION.
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       NCLS:
             521/041.000
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       IPCR
             C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
              C08C0019-08 [I,A]; C08J0011-00 [I,C*]; C08J0011-18 [I,A];
             C12P0003-00 [I,C*]; C12P0003-00 [I,A]; C12P0039-00 [I,C*];
             C12P0039-00 [I,A]; C12S0099-00 [I,C*]; C12S0099-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
    ANSWER 5 OF 7 USPATFULL on STN
1.6
AN
       2003:194597 USPATFULL
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Compositions and methods for microbial dechlorination of polychlorinated

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biphenyl compounds
       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
      US 20030134408
                          A1 20030717
PT
                          B2 20050920
       US 6946248
      US 2001-860200
                          A1 20010518 (9)
AΙ
      US 2000-205818P
PRAI
                              20000519 (60)
      US 2001-266650P
                              20010206 (60)
      Utility
      APPLICATION
LN.CNT 1823
INCL
       INCLM: 435/252,300
       INCLS: 435/262.500
NCL
       NCLM: 435/006.000; 435/252.300
       NCLS: 435/243.000; 435/262.500
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       TCM
             C12N001-20
       ICS
             C12S001-00
       IPCI
             C12N0001-20 [ICM, 7]; C12S0001-00 [ICS, 7]
       IPCI-2 C12Q0001-68 [ICM,7]; C12N0001-00 [ICS,7]; B09B0003-00 [ICS,7]
             B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
              C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 6 OF 7 USPATFULL on STN
       93:27032 USPATFULL
AN
       Method for microbial dehalogenation of haloaliphatic compounds using a
       sulfate reducing bacteria, desulfomonile tiediei
TM
       Cole, James R., East Lansing, MI, United States
       Fathepure, Babu Z., Lansing, MI, United States
       Tiedje, James M., Lansing, MI, United States
       Board of Trustees operating Michigan State University, East Lansing, MI,
PA
       United States (U.S. corporation)
ΡI
      US 5200343
                               19930406
      US 1991-695295
                               19910503 (7)
ΑI
DT
      Utility
FS
       Granted
LN.CNT 711
INCL
       INCLM: 435/262.500
       INCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
NCL
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      NCLS: 435/243.000; 435/262.000; 435/821.000; 435/822.000
IC
       [5]
       ICM
             C12N009-00
       ICS
             C12N001-00
       TPCT
             C12N0009-00 [ICM, 5]; C12N0001-00 [ICS, 5]
       IPCR
             A62D0003-02 [I,A]; A62D0003-00 [I,C*]; A62D0003-00 [I,A];
             B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-12 [I,C*];
             C02F0003-12 [I,A]; C02F0003-34 [I,C*]; C02F0003-34 [I,A];
              C12P0001-04 [I,C*]; C12P0001-04 [I,A]
       435/262.5; 435/262; 435/243
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
     ANSWER 7 OF 7 USPAT2 on STN
L6
       2003:194597 USPAT2
AN
       Compositions and methods for microbial dechlorination of polychlorinated
       biphenyl compounds
ΤN
       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
      University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)
PA
```

Biotechnology Institute Medical University of South Carolina, Charleston, SC, UNITED STATES (U.S. corporation)

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PΤ
      US 6946248
                         B2 20050920
      US 2001-860200
                             20010518 (9)
AΤ
      US 2000-205818P
PRAT
                              20000519 (60)
      US 2001-266650P
                              20010206 (60)
DT
      Utility
FS
      GRANTED
LN.CNT 1972
INCL
       INCLM: 435/006.000
       INCLS: 435/243.000; 435/262.500
NCL
      NCLM: 435/006.000; 435/252.300
      NCLS: 435/243,000: 435/262,500
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             C120001-68
       TCS
             C12N001-00; B09B003-00
       IPCI C12N0001-20 [ICM, 7]; C12S0001-00 [ICS, 7]
       IPCI-2 C12Q0001-68 [ICM, 7]; C12N0001-00 [ICS, 7]; B09B0003-00 [ICS, 7]
       IPCR B09C0001-10 [I,C*]; B09C0001-10 [I,A]; C02F0003-34 [I,C*];
             C02F0003-34 [I,A]; C12P0039-00 [I,C*]; C12P0039-00 [I,A]
       435/243; 435/262.5; 435/6; 435/7.1; 435/91.1; 435/91.2; 530/22.1;
EXF
       530/23.1; 530/24.3-24.33
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     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
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                  FILE CAPLUS
               1
                  FILE IFIPAT
                  FILE PROMT
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L7
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    2004:847590 CAPLUS
AN
DN
    141:333430
TT
    Process for surface activation and/or devulcanization of
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sulfur-vulcanized rubber particles

IN Neumann, Willi

PA Cristallo Holdings Inc., Can.

WO 2004-IB932 W

NCL NCLM: 435/130.000

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent LA German

FAN. CNT 1

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20040329 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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    ANSWER 2 OF 2 USPATFULL on STN
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       sulfur-vulcanized rubber particles
IN
      Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
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                        A1 20070111
      US 2004-551664
                          A1 20040329 (10)
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                              20060621 PCT 371 date
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      APPLICATION
LN.CNT 367
INCL INCLM: 435/130.000
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NCLS: 521/041.000
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L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:847590 CAPLUS

DN 141:333430

TI Process for surface activation and/or devulcanization of sulfur-vulcanized rubber particles

IN Neumann, Willi PA Cristallo Holdings Inc., Can.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DT Patent

LA German

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
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                          A1 20040329 (10)
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      Utility
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      APPLICATION
LN.CNT 367
      INCLM: 435/130.000
INCL
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      NCLS: 521/041.000
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             C12P0011-00 [I,C]; C12P0011-00 [I,A]; C08C0019-00 [I,C*];
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L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:847590 CAPLUS

DN 141:333430

TI Process for surface activation and/or devulcanization of sulfur-vulcanized rubber particles

KIND DATE

IN Neumann, Willi

PA Cristallo Holdings Inc., Can.

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

PATENT NO.

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DT Patent

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APPLICATION NO.

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L8 ANSWER 2 OF 6 USPATFULL on STN
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AN 2008:354811 USPATFULL

TI Anaerobic Production of Hydrogen and Other Chemical Products

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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       Primers for synthesizing full-length cDNA and their use
IN
       Ota, Toshio, Fujisawa-shi, JAPAN
       Isogai, Takao, Inashiki-gun, JAPAN
       Nishikawa, Tetsuo, Tokyo, JAPAN
       Hayashi, Koji, Ichihara-shi, JAPAN
       Saito, Kaoru, Kisarazu-shi, JAPAN
       Yamamoto, Junichi, Kisarazu-shi, JAPAN
       Ishii, Shizuko, Kisarazu-shi, JAPAN
       Sugiyama, Tomoyasu, Kisarazu-shi, JAPAN
       Wakamatsu, Ai, Kisarazu-shi, JAPAN
      Nagai, Keiichi, Tokyo, JAPAN
       Otsuki, Tetsuji, Kisarazu-shi, JAPAN
PA
       RESEARCH ASSOCIATION FOR BIOTECHNOLOGY (non-U.S. corporation)
ΡI
      US 20070105122
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      US 2004-917503
                         A1 20040813 (10)
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      JP 1999-248036
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      JP 1999-300253
                              19990827
      JP 2000-118776
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T.R
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       sulfur-vulcanized rubber particles
IN
       Neumann, Willi, Bad Dueben, GERMANY, FEDERAL REPUBLIC OF
PΙ
      US 20070009997
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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AN
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       Compositions and methods for microbial dechlorination of polychlorinated
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       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
       US 20030134408
                         A1 20030717
      US 6946248
                          B2 20050920
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      US 2001-860200
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             C12S001-00
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T.R
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       Sowers, Kevin R., Baltimore, MD, UNITED STATES
       May, Harold D., Charleston, SC, UNITED STATES
PΔ
      University of Maryland, Baltimore, MD, UNITED STATES (U.S. corporation)
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Biotechnology Institute Medical University of South Carolina,
       Charleston, SC, UNITED STATES (U.S. corporation)
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       IPCI-2 C12Q0001-68 [ICM, 7]; C12N0001-00 [ICS, 7]; B09B0003-00 [ICS, 7]
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       530/23.1; 530/24.3-24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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FIELD CODE - 'AND' OPERATOR ASSUMED 'TREAT? (P) RUBBER'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'RUBBER(P)PARTICLE?'
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            2 L6 AND TREAT? (P) RUBBER (P) PARTICLE?
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AN
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    141:333430
    Process for surface activation and/or devulcanization of sulfur-vulcanized
    rubber particles
TN
    Neumann, Willi
    Cristallo Holdings Inc., Can.
PA
SO PCT Int. Appl., 20 pp.
    CODEN: PIXXD2
DT
    Patent.
LA
    German
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                       KIND DATE APPLICATION NO. DATE
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     DE 10314893
                        A1 20041104 DE 2003-10314893
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     AU 2004226152
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CA 2521255 A1 20041014 CA 2004-2521255 20040329
EP 1620498 A1 20060201 EP 2004-724078 20040329
EP 1620498 B1 20080806
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            CN 1777636 A 20060524 CN 100355821 C
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CN 177636 A 20060524 CN 2004-80010990 CN 100355821 C 20071219
JP 2006522198 T 20060928 JP 2006-506400 BR 2004-19272 A 20080408 BR 2004-19272 A 20080408 BR 2004-19272 AT 403698 T 2008117 PT 12004-724078 BT 1620498 E 20081117 PT 2004-724078 BS 2312986 T3 20090301 BS 2004-724078 BC 2312986 T3 20090301 BS 2004-724078 BC 2312986 T3 20090510 BD 2005-132452 A 2005008463 A 20061129 ZA 2005-8463 IN 2005M001176 A 20060505 IN 2005-8463 IN 2005M001176 A 20060505 IN 2005-84176 BC 2005M001176 BC 20060505 IN 2005-84176 BC 2005-8417
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                 2007:11586 USPATFULL
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                 Process for surface activation and/or devulcanisation of
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 ΡI
                 US 20070009997 A1 20070111
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                 NCLS: 521/041.000
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1 FILE IFIPAT
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L10
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